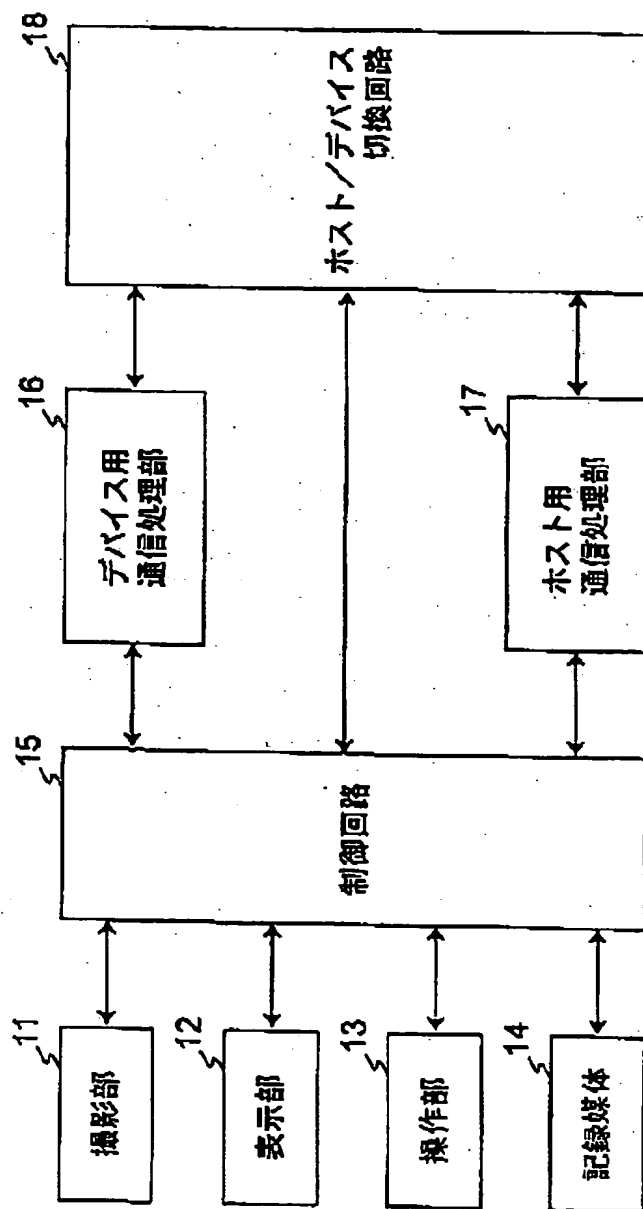


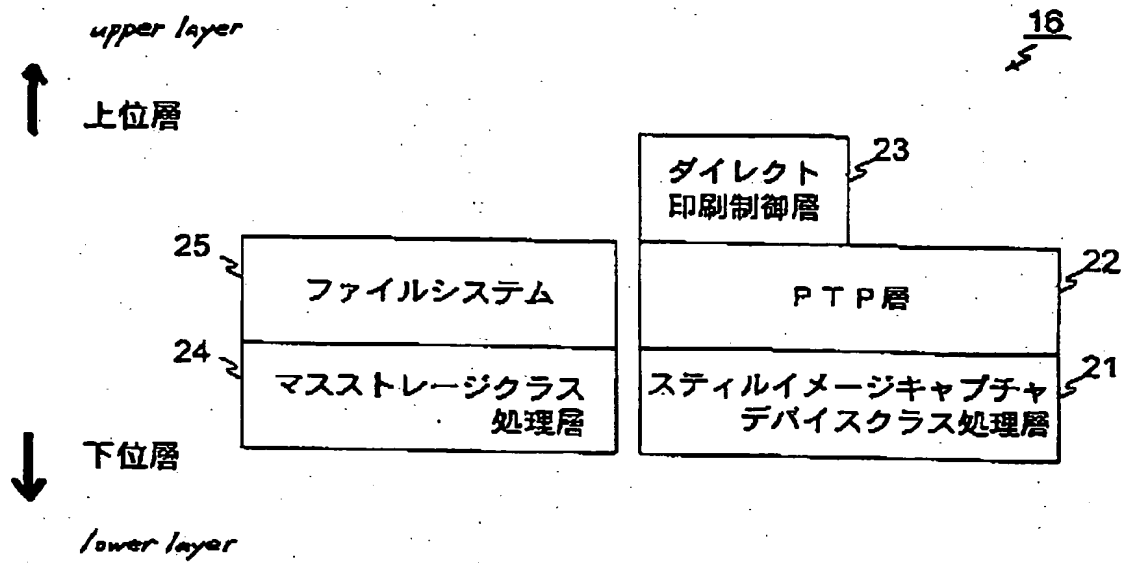
Fig. 1

1/2



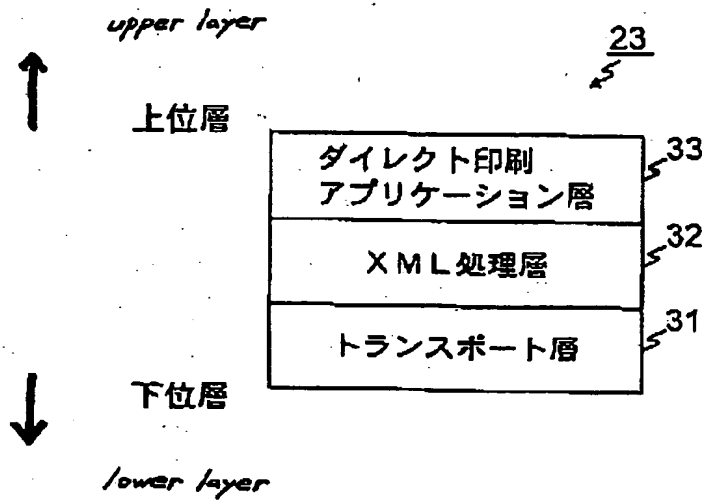
- 11: image capturer
- 12: display
- 13: control panel
- 14: recording medium
- 15: controller
- 16: device communications processor
- 17: host communications processor
- 18: host/device switcher

Fig. 2



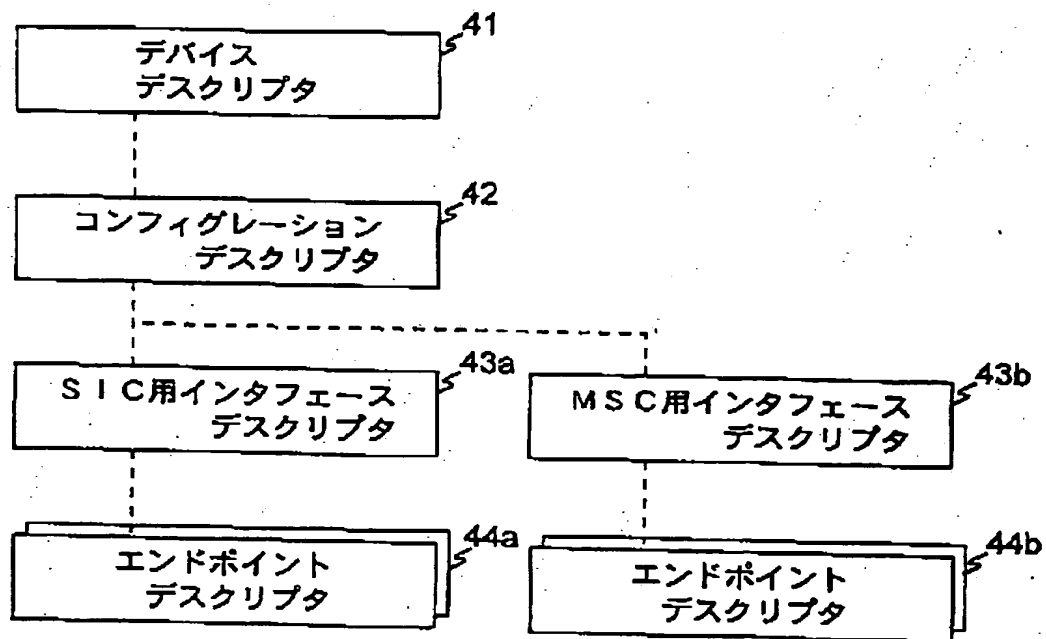
- 21: SIC processing layer
- 22: PTP layer
- 23: direct print control layer
- 24: MSC processing layer
- 25: file system

Fig. 3



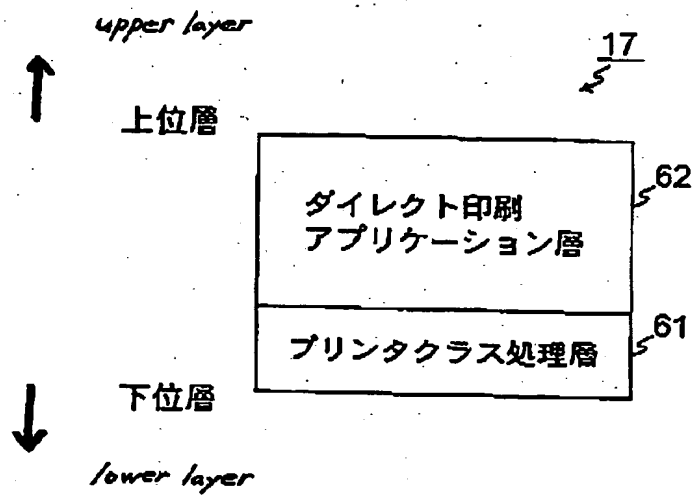
- 31: transport layer
- 32: XML processing layer
- 33: direct print application layer

Fig. 4



- 41: device descriptor
- 42: configuration descriptor
- 43a: SIC interface descriptor
- 43b: MSC interface descriptor
- 44a: end point descriptor
- 44b: end point descriptor

Fig. 5

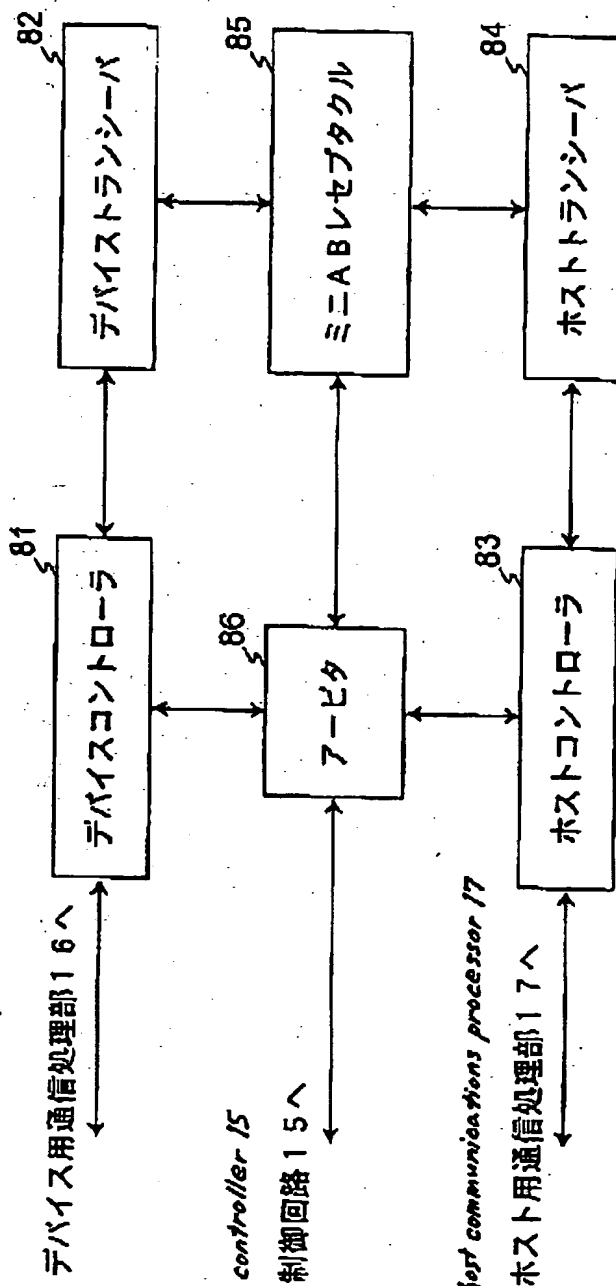


-
- 61: printer class processing layer
 - 62: direct print application layer

Fig. 6

18

to device communications processor 16



to controller 15

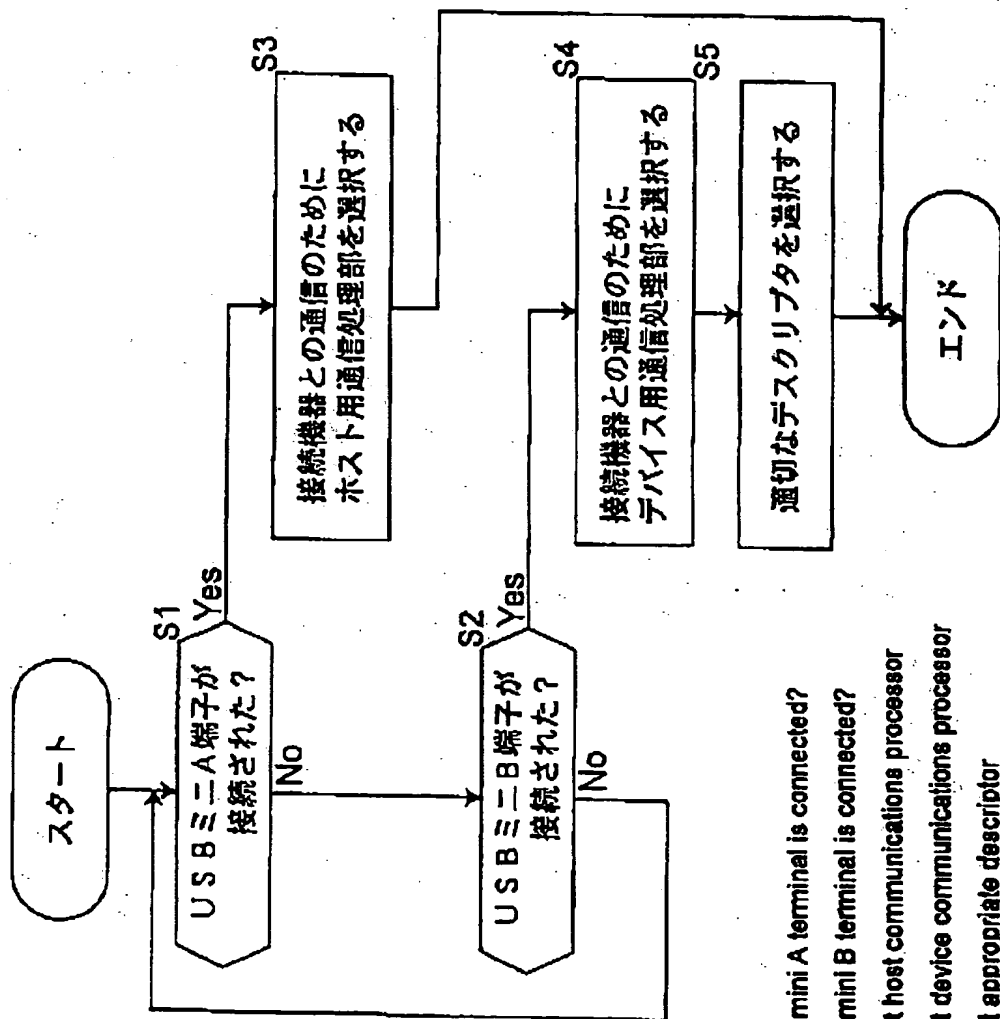
制御回路 15へ

to host communications processor 17

ホスト用通信処理部17へ

- 81: device controller
- 82: device transceiver
- 83: host controller
- 84: host transceiver
- 85: mini AB receptacle
- 86: arbiter

Fig. 7



start

S1: USB mini A terminal is connected?

S2: USB mini B terminal is connected?

S3: select host communications processor

S4: select device communications processor

S5: select appropriate descriptor

end

Fig. 8

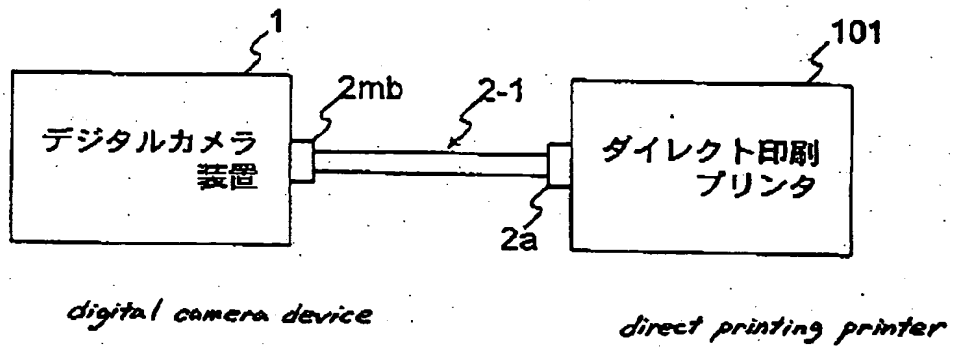
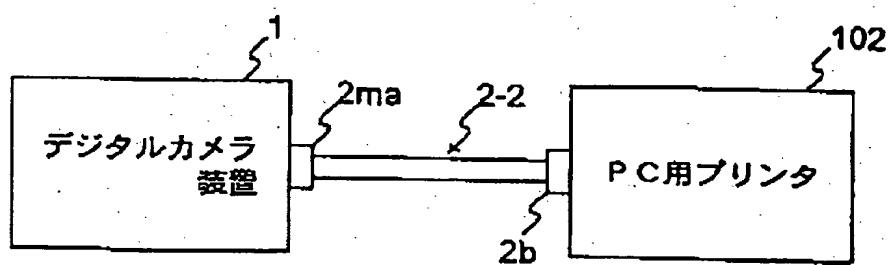


Fig. 9



digital camera device

printer for PC

Fig. 10

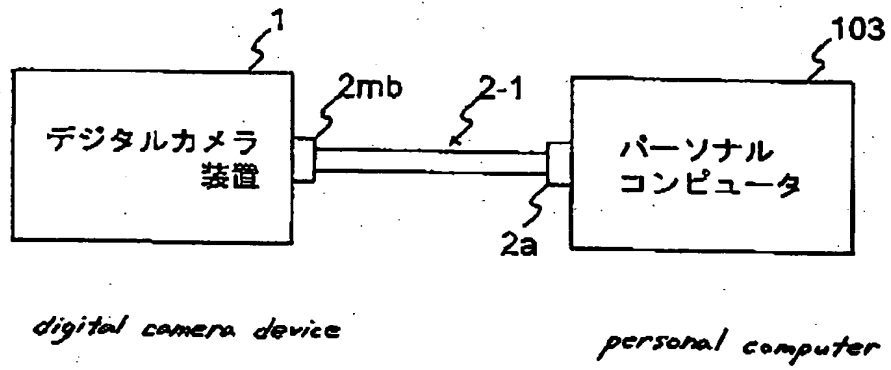


Fig. 11A

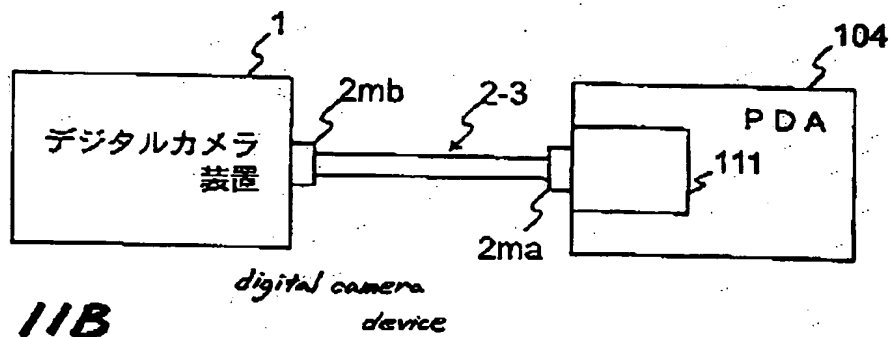


Fig. 11B

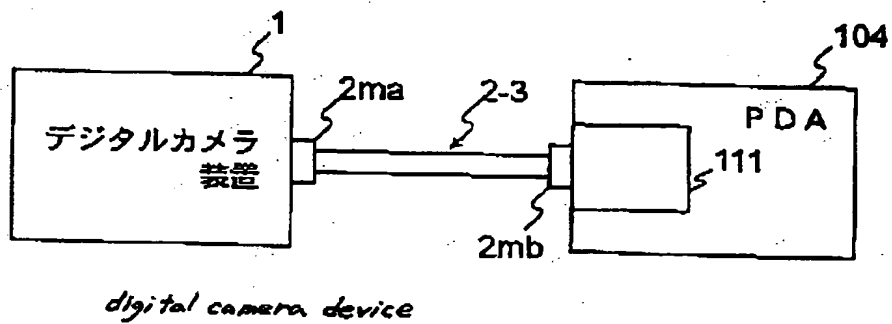


Fig. 12A

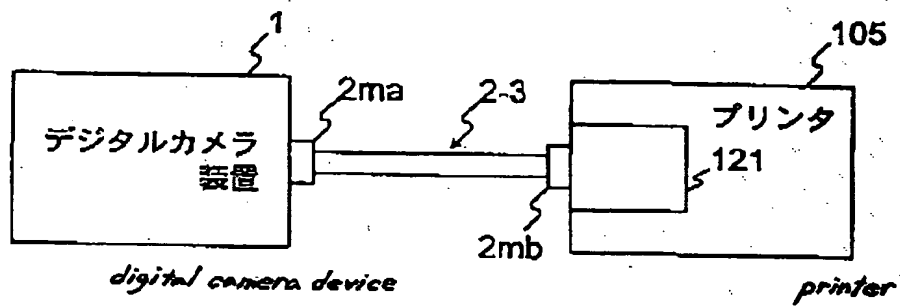


Fig. 12B

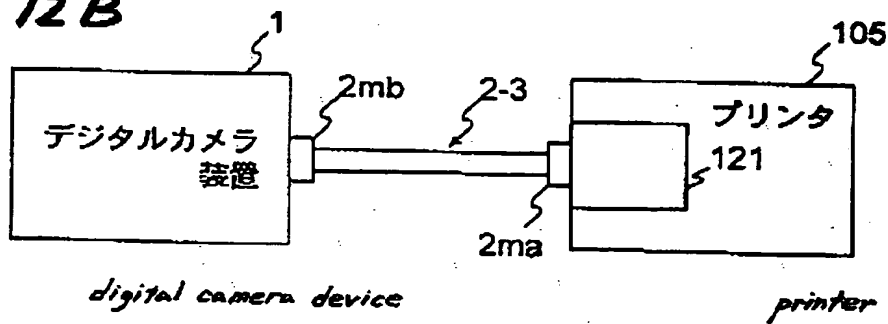
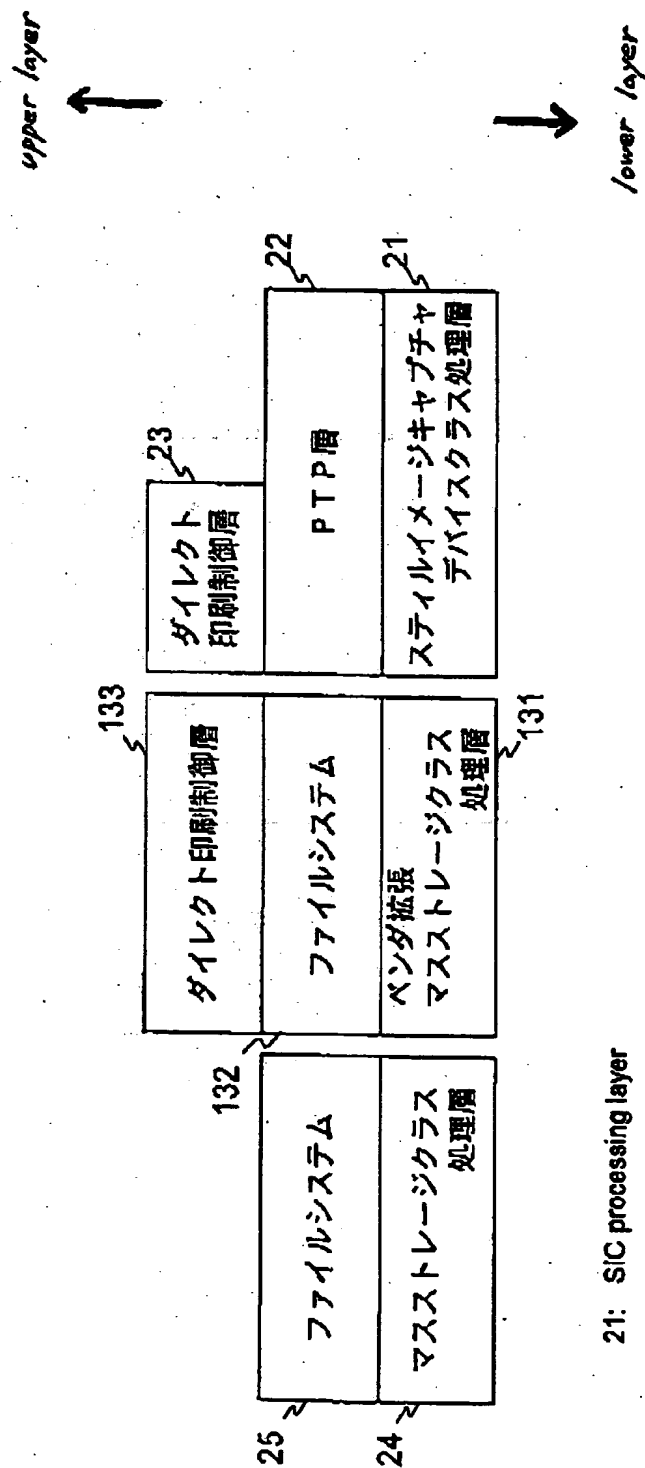
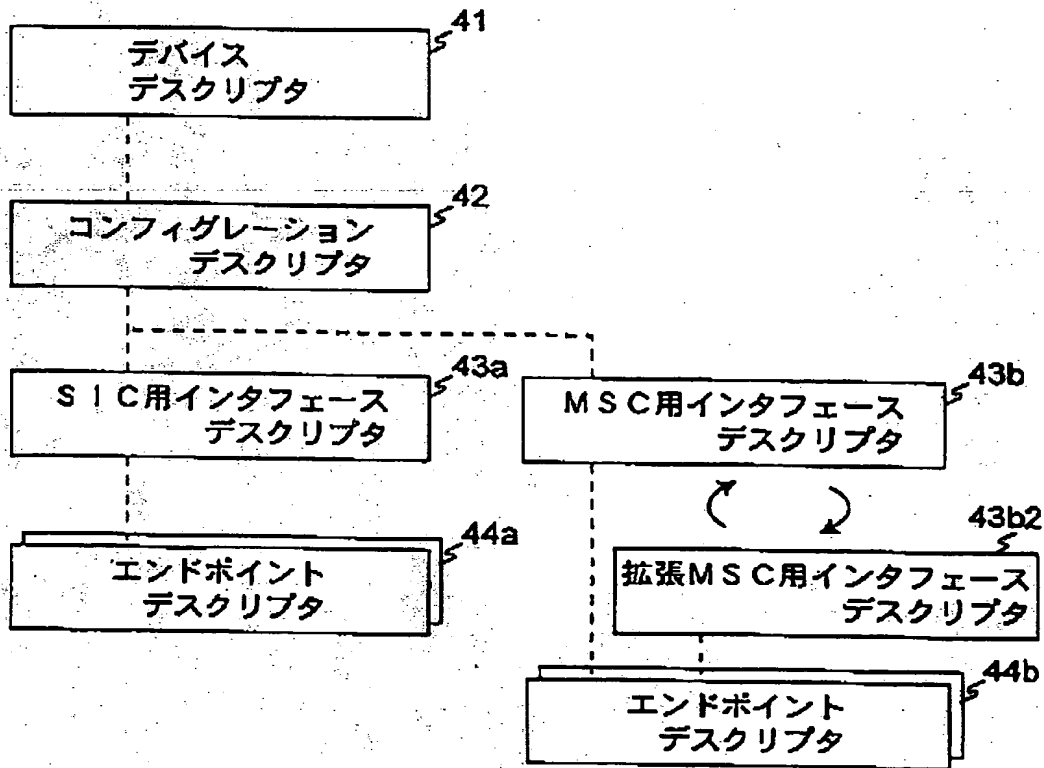


Fig. 13



- 21: SIC processing layer
- 22: PTP layer
- 23: direct print control layer
- 24: MSC processing layer
- 25: file system
- 131: vendor-extended MSC processing layer
- 132: file system
- 133: direct print control layer

Fig. 14



- 41: device descriptor
- 42: configuration descriptor
- 43a: SIC interface descriptor
- 43b: MSC interface descriptor
- 43b2: extended MSC interface descriptor
- 44a: end point descriptor
- 44b: end point descriptor